

UNITED STATES DEPARTMENT OF COMMERCE Patent and Trademark Office

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FEBRUARY 18, 1999

BEYER & WEAVER, LLP ELISE R. HEILBRUNN P.O. BOX 61059 PALO ALTO, CA 94306 **PTAS**





UNITED STATES PATENT AND TRADEMARK OFFICE NOTICE OF RECORDATION OF ASSIGNMENT DOCUMENT

THE ENCLOSED DOCUMENT HAS BEEN RECORDED BY THE ASSIGNMENT DIVISION OF THE U.S. PATENT AND TRADEMARK OFFICE. A COMPLETE MICROFILM COPY IS AVAILABLE AT THE ASSIGNMENT SEARCH ROOM ON THE REEL AND FRAME NUMBER REFERENCED BELOW.

PLEASE REVIEW ALL INFORMATION CONTAINED ON THIS NOTICE. INFORMATION CONTAINED ON THIS RECORDATION NOTICE REFLECTS THE DATA PRESENT IN THE PATENT AND TRADEMARK ASSIGNMENT SYSTEM. IF YOU SHOULD FIND ANY ERRORS OR HAVE QUESTIONS CONCERNING THIS NOTICE, YOU MAY CONTACT THE EMPLOYEE WHOSE NAME APPEARS ON THIS NOTICE AT 703-308-9723. PLEASE SEND REQUEST FOR CORRECTION TO: U.S. PATENT AND TRADEMARK OFFICE, ASSIGNMENT DIVISION, BOX ASSIGNMENTS, CG-4, 1213 JEFFERSON DAVIS HWY, SUITE 320, WASHINGTON, D.C. 20231.

RECORDATION DATE: 10/20/1998

REEL/FRAME: 9539/0978

NUMBER OF PAGES: 7

BRIEF: ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS).

ASSIGNOR:

JOHNSON, RICHARD A.

DOC DATE: 10/12/1998

ASSIGNOR:

SHAH, DHAVAL N.

DOC DATE: 10/12/1998

ASSIGNOR:

BOSTEDER, DALEN D.

DOC DATE: 10/15/1998

ASSIGNEE:

CISCO TECHNOLOGY, INC. 170 WEST TASMAN DRIVE

SAN JOSE, CALIFORNIA 95134-1706

SERIAL NUMBER: 09175195

PATENT NUMBER:

FILING DATE: 10/20/1998

ISSUE DATE:

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DOCKETED: ACTION: _ DUE DATES: ATTY: IKW DOCKET# 9539/0978 PAGE 2

MARY BENTON, EXAMINER ASSIGNMENT DIVISION OFFICE OF PUBLIC RECORDS

10-30-1998

ASSIGN



R SHEET

100866795 To: Honorable Commissioner of Patents and Trauen.

Please record the	attached original	document(s)	or copy thereo	f.

- 1. Name of conveying party(ies)
 - Richard A. Johnson a)
 - b) Dhaval N. Shah
 - Dalen D. Bosteder c)

09/175195

2. Name and address of receiving party(ies):

Name: Address:

Cisco Technology, Inc. 170 West Tasman Drive San Jose, CA 95134-1706

3. Nature of conveyance

\boxtimes	Assignment
	Security Agreement
\Box	Other

Merger

Change of Name License Agreement

Execution Date:

October 12, 1998 and October 15, 1998

Application Number(s) or Patent Number(s): Filed herewith 4.

The title of the (new) application is:

APPARATUS AND METHOD FOR PERFORMING TRAFFIC REDIRECTION IN A DISTRIBUTED SYSTEM USING A PORTION METRIC

5. Please send all correspondence concerning this (these) documents to:

> Elise R. Heilbrunn BEYER & WEAVER, LLP P.O. Box 61059 Palo Alto, CA 94306 Tel. No.: (650) 493-2100 Fax No.: (650) 493-2102

- 6. Total number of applications and patents involved: 1
- 7. Total fee (37 CFR 3.41): \$40.00

Enclosed ORAN deficiencies are authorized to be charged to Deposit Account No. 50-0388 10/26/1998 DBUTLER (Order (Not) CISCP048). 04 FC:581

> To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.

Date: October 20, 1998

Elise R. Heilbrunn

Registration No. 42,649





ASSIGNMENT OF PATENT APPLICATION

(Accompanying Application)

Whereas I/we the undersigned inventor(s) have invented certain new and useful improvements as set forth in the patent application entitled:

APPARATUS AND METHOD FOR PERFORMING TRAFFIC REDIRECTION IN A DISTRIBUTED SYSTEM USING A PORTION METRIC

(Atty. Docket No. <u>CISCP048</u>) for which I (we) have executed an application for a United States Letters Patent.

For good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, I/We the undersigned inventor(s) hereby:

- Sell(s), assign(s) and transfer(s) to <u>Cisco Technology</u>, <u>Inc.</u>, a California corporation having a place of business at 170 West Tasman Drive, San Jose, CA 95134-1706, (hereinafter referred to as ("ASSIGNEE"), the entire right title and interest in any and all improvements and inventions disclosed in, application(s) based upon, and Patent(s) (including foreign patents) granted upon the information which is disclosed in the above referenced application.
- 2) Authorize and request the Commissioner of Patents to issue any and all Letters Patents resulting from said application or any division(s), continuation(s), substitutes(s) or reissue(s) thereof to the ASSIGNEE.
- 3) Agree to execute all papers and documents and, entirely at the ASSIGNEE's expense, perform any acts which are reasonably necessary in connection with the prosecution of said application, as well as any derivative applications thereof, foreign applications based thereon, and/or the enforcement of patents resulting from such applications.
- 4) Agree that the terms, covenants and conditions of this assignment shall inure to the benefit of the Assignee, its successors, assigns and other legal representative, and shall be binding upon the inventor(s), as well as the inventor's heirs, legal representatives and assigns.
- 5) Warrant and represent that I/we have not entered, and will not enter into any assignment, contract, or understanding that conflicts with this assignment.

Signed on the date(s) indicated beside my (our) signature(s).

1)	Signature: Typed Name:	Achard A. Johnso	John Marie	Date	e: <u>/0//2/19</u>	<u>98</u>	
Count	y of		,)) ss.				
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2)	Signature: Typed Name:	Dhaval N. Shah		Date:	
	ty of) ss.			
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Signa	ature				(SEAL)

(Accompanying Application)

Whereas I/we the undersigned inventor(s) have invented certain new and useful improvements as set forth in the patent application entitled:

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(Atty. Docket No. <u>CISCP048</u>) for which I (we) have executed an application for a United States Letters Patent.

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Signed on the date(s) indicated beside my (our) signature(s).

1)	Signature: Typed Name:	Richard A. Johnson	
Count State	y of) ss.)	
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Signa	ture	· · · · · · · · · · · · · · · · · · ·	(SEAL)

2)	Signature: Typed Name:	Dh. Shah Dhaval N. Shah	Date: 10/12/98	
Count	ty of) ss.		
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ASSIGNMENT OF PATENT APPLICATION

(Accompanying Application)

Whereas I/we the undersigned inventor(s) have invented certain new and useful improvements as set forth in the patent application entitled:

APPARATUS AND METHOD FOR PERFORMING TRAFFIC REDIRECTION IN A DISTRIBUTED SYSTEM USING A PORTION METRIC

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- 5) Warrant and represent that I/we have not entered, and will not enter into any assignment, contract, or understanding that conflicts with this assignment.

Signed on the date(s) indicated beside my (our) signature(s).

1)	Signature:			D	Date:				
	Typed Name:	Richard A. Johnson	n					,	
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DECLARION AND POWER OF A ORNEY FOR OR INAL U.S. PATENT APPLIATION

Attorney's Docket No. CISCP048

As a below-named inventor, I hereby declare that:

4 KZ

My residence, post office address and citizenship are as stated below next to my name.

is assessed boroto

I believe that I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled: APPARATUS AND METHOD FOR PERFORMING TRAFFIC REDIRECTION IN A DISTRIBUTED SYSTEM USING A PORTION METRIC, the specification of which,

check one)	1. 🔀	is attached hereto.		
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<u>U</u>		and was amended on		•
hereby state that	at I have review	ed and understand the	contents of the above-identifie	ed specification, including the claims, as
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		e information which is	material to the examination o	f this application in accordance with Title
37, CFR § 1.56.	•			
===				S 2(5(1-) of any family application(s)
	reign priority be	nefits under Title 35,	United States code, § 119(a)-(d	or § 365(b) of any foreign application(s)
for patent or inve	entor's certificate	e, or § 365(a) of any I	CT International application v	which designated at least one country other
than the United	States, listed b	elow and have identif	ied below, by checking the bo	ox, any foreign application for patent or
inventor's certifi	icate, or PCT In	ternational application	having a filing date before the	t of the application on which priority is
claimed:				
Prior Foreign	. Application	(c)		Priority Benefits Claimed?
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I hereby claim t	he benefit under	35 U.S.C. §119(e) of a	any United States provisional ap	plication(s) listed below:
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Prior Provis	ional Applica	ation(s)		
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I hereby claim the benefit under Title 35, United States Code, § 120 of any United States application(s), or § 365(c) of any PCT International application designating the United States, listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States or PCT International application in the manner provided by the first paragraph of Title 35, United States Code, § 112, I acknowledge the duty to disclose information which is material to patentability as defined in Title 37, Code of Federal Regulations, § 1.56 which became available between the filing date of the prior application and the national or PCT international filing date of this application:

Prior U.S. Application	n(s)		
(Application No.)	(Filing Date)	(Status - patented, pending	, abandoned)
(Application No.)	(Filing Date)	(Status - patented, pending	, abandoned)
Weaver (Reg. No. 31 32,947); Jonathan O. No. 37,493); Joseph N Su (Reg. No. 41,336); Heilbrunn (Reg. No. 42	,314); Joseph A. Nguyen Scott (Reg No. 39,364); J M. Villeneuve (Reg. No. 37 Mary R. Olynick (Reg. N	, including Steve D Beyer (Reg (Reg. No. 37,899); C. Dou (ames E. Austin (Reg. No. 39, (,460); Michael L. Louie (Reg o. P42,963); Dean E. Wolf (R (Reg. No. 41,396) as my princi emark Office connected therewith:	glass Thomas (Reg. No. 9,489); Rupak Nag (Reg. 3. No. 36,988); Peggy A. Reg. No. 37,260); Elise R.
Send Correspondence U L	To: Elise R. Ho BEYER & P.O. BOX Palo Alto,	WEAVER, LLP 61059	
Direct Telephone Call	s To: Elise R. Hei	lbrunn at telephone number ((650) 493-2100
belief are believed to be tru like so made are punishab	ie; and further that these statement le by fine or imprisonment, or bot	knowledge are true and that all states were made with the knowledge that h, under section 1001 of Title 18 of the application or any patent issuing to	t willful false statements and the the United States Code, and that
Typewritten Full Name of Sole or First Inventor:	Richard A. Johnson	Citizenship:	US
Inventor's signature:		Date of Sign	ature:
Residence: (City)	Santa Barbara	(State/Country)	California, USA
Post Office Address:	3210 Braemar Drive, Santa Barb	ara, CA 93109	

Zull Name of Second Join inventor (if any):	t Dhaval N. Shan	Citizenship:	India
Inventor's signature:		Date of Signa	ture:
Residence: (City)	Santa Clara	(State/Country)	California, USA
Post Office Address:	3480 Granada Avenue, Apt. 193, Santa Clara, CA	95051	
			· .
Full Name of Third Joint Inventor (if any):	Dalen D. Bosteder	Citizenship:	us
Inventor's signature:	Que Both	Date of Signs	ature: 10/15/98
Residence: (City)	San Jose	(State/Country)	California, USA
Post Office Address:	1660 Via Campagna, San Jose, CA 95120		

TION AND POWER OF A inal u.s. patent appl

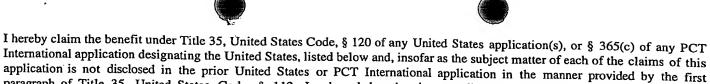
Attorney's Docket No. CISCP048

As a below-named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name.

I believe that I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled: APPARATUS AND METHOD FOR PERFORMING TRAFFIC REDIRECTION IN A DISTRIBUTED SYSTEM USING A PORTION METRIC, the specification of which,

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	2.	was filed on		as	
	ــ	U.S. Application No.			
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	3. 🗌	was filed on		as	
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Thereby state that	I have reviewe	ed and understand the	contents of the above-identific	ed specification, in	cluding the claims, as
amended by any ar	nendment referr	ed to above.			
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I acknowledge the 37, CFR § 1.56.	duty to disclose	e information which is	material to the examination o	f this application is	n accordance with Title
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thereby claim for	eign priority be	nefits under Title 35, U	nited States code, § 119(a)-(d) or § 365(b) of an	y foreign application(s)
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athan the United S	States, listed b	elow and have identific	ed below, by checking the b	ox, any foreign ap	plication for patent or
inventor's certific	ate, or PCT In	ternational application	having a filing date before that	it of the application	n on which priority is
claimed:					
Prior Foreign	Application((s)		Priority	Benefits Claimed?
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I hereby claim th	e benefit under	35 U.S.C. §119(e) of a	ny United States provisional ap	plication(s) listed b	elow:
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Prior Provision	onal Applica	ition(s)			
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(Application No.	.)	(Filing Da	te)		



paragraph of Title 35, United States Code, § 112, I acknowledge the duty to disclose information which is material to patentability as defined in Title 37, Code of Federal Regulations, § 1.56 which became available between the filing date of the prior application and the national or PCT international filing date of this application:

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And I hereby appoint the law firm Weaver (Reg. No. 31,314); 32,947); Jonathan O. Scott No. 37,493); Joseph M. Vill Su (Reg. No. 41,336); Mary Heilbrunn (Reg. No. 42,649), application and to transact all busing	Joseph A. Nguyen (Re (Reg No. 39,364); Jame eneuve (Reg. No. 37,460 R. Olynick (Reg. No. I and Grace C. Chang (Reess in the Patent and Trademan	eg. No. 37,899); C. Dones E. Austin (Reg. No. 30); Michael L. Louie (Rep. 242,963); Dean E. Wolf (eg. No. 41,396) as my principle of the connected the rewith:	uglass Thomas (Reg. No. 19,489); Rupak Nag (Reg. Reg. No. 36,988); Peggy A.
Send Correspondence To:	Elise R. Heilb BEYER & WE P.O. BOX 610 Palo Alto, Cal	AVER, LLP 059	, '
Direct Telephone Calls To:	Elise R. Heilbru	nn at telephone number	(650) 493-2100
I hereby declare that all statements belief are believed to be true; and fu like so made are punishable by fine such willful false statements may je	or imprisonment, or both, un	re made with the knowledge that der section 1001 of Title 18 of	t willful false statements and the
Typewritten Full Name of Sole or First Inventor: Richard	A. Johnson	Citizenship:	US
Inventor's signature:	sirkal forting	Date of Signs	ature: 10/12/1995
Residence: (City) Santa Ba	rbara	(State/Country)	California, USA
Post Office Address: 3210 Bra	aemar Drive, Santa Barbara, (CA 93109	

Full Name of Second Join Inventor (if any):	Dhaval N. Shah	Citizenship:	India
Inventor's signature:		Date of Signa	ture:
Residence: (City)	Santa Clara	(State/Country)	California, USA
Post Office Address:	3480 Granada Avenue, Apt. 193, Santa Clara	. CA 95051	
Full Name of Third Joint Inventor (if any):	Dalen D. Bosteder	Citizenship:	US
Inventor's signature:		Date of Signa	ture:
Residence: (City)	San Jose	(State/Country)	California, USA
Post Office Address:	1660 Via Campagna, San Jose, CA 95120		
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Attorney Docket No. CISCP048
(Revised 5/18/98)

DECLARTION AND POWER OF A ORNEY FOR OF INAL U.S. PATENT APPLATION

Attorney's Docket No. CISCP048

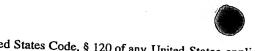
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			ontents of the above-identi-	fied specification, in	icluding the claims, as
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37, CFR § 1.56.					
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claimed:					
Prior Foreign	Application(s)		Priority	Benefits Claimed?
				∏Yes	□No
(Appl. No.)		(Country)	(Filing Date)		
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				\\Yes	□No
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I hereby claim the	benefit under	35 U.S.C. §119(e) of any	United States provisional a	application(s) listed l	pelow:
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Prior Provisio			•		
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(Application No.)		(Filing Date)		
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I hereby claim the benefit under Title 35, United States Code, § 120 of any United States application(s), or § 365(c) of any PCT International application designating the United States, listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States or PCT International application in the manner provided by the first paragraph of Title 35, United States Code, § 112, I acknowledge the duty to disclose information which is material to patentability as defined in Title 37, Code of Federal Regulations, § 1.56 which became available between the filing date of the prior application and the national or PCT international filing date of this application:

(Application No.) (Filing Date) (Status- (Status- (Application No.) (Filing Date) (Status- (Application No.) (Filing Date) (Status- (Filing Date) (Status- (Application According to the status of		(Pilin - D +)		pplication No.)
And I hereby appoint the law firm of Beyer & Weaver, LLP, including Steve Weaver (Reg. No. 31,314); Joseph A. Nguyen (Reg. No. 37,82,947); Jonathan O. Scott (Reg No. 39,364); James E. Austin No. 37,493); Joseph M. Villeneuve (Reg. No. 37,460); Michael Su (Reg. No. 41,336); Mary R. Olynick (Reg. No. P42,963); Detailbrunn (Reg. No. 42,649), and Grace C. Chang (Reg. No. 41,396) application and to transact all business in the Patent and Trademark Office connections of the Patent and Trademark Office connections. Send Correspondence To: Elise R. Heilbrunn BEYER & WEAVER, LLI P.O. BOX 61059 Palo Alto, California 94: Thereby declare that all statements made herein of my own knowledge are true as belief are believed to be true; and further that these statements were made with the like so made are punishable by fine or imprisonment, or both, under section 1001 such willful false statements may jeopardize the validity of the application or any representations. Typewritten Full Name of Sole or First Inventor: Richard A. Johnson	Status - patented, pending, abandoned)	(Filing Date)		•
And I hereby appoint the law firm of Beyer & Weaver, LLP, including Steve Weaver (Reg. No. 31,314); Joseph A. Nguyen (Reg. No. 37,832,947); Jonathan O. Scott (Reg No. 39,364); James E. Austin No. 37,493); Joseph M. Villeneuve (Reg. No. 37,460); Michael Su (Reg. No. 41,336); Mary R. Olynick (Reg. No. P42,963); Designation (Reg. No. 42,649), and Grace C. Chang (Reg. No. 41,396) application and to transact all business in the Patent and Trademark Office connects. Send Correspondence To: Elise R. Heilbrunn BEYER & WEAVER, LLI P.O. BOX 61059 Palo Alto, California 94: Direct Telephone Calls To: Elise R. Heilbrunn at telephone thereby declare that all statements made herein of my own knowledge are true and elief are believed to be true; and further that these statements were made with the like so made are punishable by fine or imprisonment, or both, under section 1001 uch willful false statements may jeopardize the validity of the application or any typewritten Full Name of tole or First Inventor: Richard A. Johnson	Status - patented, pending, abandoned)	(Filing Date)		pplication No.)
No. 37,493); Joseph M. Villeneuve (Reg. No. 37,460); Michael Su (Reg. No. 41,336); Mary R. Olynick (Reg. No. P42,963); Der Heilbrunn (Reg. No. 42,649), and Grace C. Chang (Reg. No. 41,396) application and to transact all business in the Patent and Trademark Office connects application and to transact all business in the Patent and Trademark Office connects. Send Correspondence To: Elise R. Heilbrunn BEYER & WEAVER, LLI P.O. BOX 61059 Palo Alto, California 94: Thereby declare that all statements made herein of my own knowledge are true as chelief are believed to be true; and further that these statements were made with the idea willful false statements may jeopardize the validity of the application or any suppressible for First Inventor: Richard A. Johnson Noventor's signature				
Elise R. Heilbrunn BEYER & WEAVER, LLI P.O. BOX 61059 Palo Alto, California 94: Direct Telephone Calls To: Elise R. Heilbrunn at telephone Elise R. Heilbrunn at t	Austin (Reg. No. 39,489); Rupak Nag (Rechael L. Louie (Reg. No. 36,988); Peggy A. (1); Dean E. Wolf (Reg. No. 37,260); Flins R.	No. 39,364); Jar ve (Reg. No. 37,4 Olynick (Reg. No.	o. Scott (Reg N M. Villeneuve 6); Mary R. Oly	37,493); Joseph (Reg. No. 41,336
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Palo Alto, California 94: Direct Telephone Calls To: Elise R. Heilbrunn at telephone Calls To: Elise R. Heilbrunn	. T. W. W.	Elise R. Heil		- Correspondence
Palo Alto, California 943 Direct Telephone Calls To: Elise R. Heilbrunn at telephone Calls To: Elise R. Heilbrunn	S, LLP	P.O. BOX 6		
Thereby declare that all statements made herein of my own knowledge are true a pelief are believed to be true; and further that these statements were made with the ike so made are punishable by fine or imprisonment, or both, under section 1001 such willful false statements may jeopardize the validity of the application or any Typewritten Full Name of sole or First Inventor: Richard A. Johnson Neventor's signature	94306	Palo Alto, Ca		
Such willful false statements may jeopardize the validity of the application or any such willful false statements may jeopardize the validity of the application or any supply su	telephone number (650) 493-2100	Elise R. Heilbr	alls To:	ect Telephone Ca
Sole or First Inventor: Richard A. Johnson (nventor's signature)	The knowledge that Willfill take statements and at		hle hu fina an i '	so illaue are niinighal
nventor's signature:	Citizenship: <u>US</u>	ison		written Full Name of or First Inventor:
The state of the s				ntor's signature:
(City) Santa Barbara	Data of G		Santa Barbara	lence: (City)
ost Office Address: 3210 Braemar Drive, Santa Barbara, CA 93109	Date of Signature: (State/Country)California, USA		Danta Daivaia	(,)

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Inventor's signature:		Date of Signa	ture:
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